



## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A scraping device for a conveyor belt ~~[[2]]~~ for installation essentially transverse to the longitudinal direction of the conveyor belt ~~[[2]]~~, which scraping device comprises a supporting structure ~~[[3]]~~ adapted to hold the scraping device in place across the conveyor belt ~~[[2]]~~, which scraping device is covering essentially the whole width of the conveyor belt ~~[[2]]~~ and consisting of a plurality of individual scraping segments ~~[[1']]~~ each of which consists of a body ~~[[7]]~~ with a scraping face ~~[[4]]~~, which scraping face ~~[[4]]~~ rests against the conveyor belt ~~[[2]]~~ where the scraping device comprises a number of segments ~~[[1']]~~ and that the scraping face ~~[[4]]~~ on each of the segments ~~[[1']]~~ is elastically connected to the supporting structure ~~[[3]]~~ and all the segments are covered by a flexible material, wherein ~~characterised in that~~ the scraping device is mounted in a holder ~~[[12]]~~ where at least an area of the scraping device is fixedly connected to the holder ~~[[12]]~~ with a fixed connection ~~[[17]]~~ so that the scraping device can be bent in that there is provided one or more adjusting devices ~~(14, 15, 16)~~ at the underside and/or the upper side of the scraping device which push different parts of the scraping device against the conveyor belt ~~[[2]]~~.

2. (Currently Amended) A scraping device according to claim 1, wherein ~~characterised in that~~ the scraping face is directed towards the conveyor belt.

3. (Currently Amended) A scraping device according to ~~claims 1-2~~ claim 1 or 2, wherein ~~characterised in that~~ the scraping device is provided with one or more

adjusting devices for adapting the scraping device to the curve of ~~[[the]]~~ a drum over which the conveyor belt runs.

4. (Currently Amended) A scraping device according to ~~claims 1-3~~ claim 1, wherein ~~characterised in that~~ the scraping face ~~[[4]]~~ is reinforced in the connection between the supporting structure ~~[[3]]~~ and the scraping face ~~[[4]]~~.

5. (Currently Amended) A scraping device according to ~~claims 1-4~~ claim 1, wherein ~~characterised in that~~ the scraping face ~~[[4]]~~ on each segment is connected to the supporting structure ~~[[3]]~~ by a resilient metal spring having a spring constant ~~[[k1]]~~.

6. (Currently Amended) A scraping device according to ~~claims 1-5~~ claim 1, wherein ~~characterised in that~~ the scraping face ~~[[4]]~~ on each segment is connected to the supporting structure ~~[[3]]~~ by a fibre-reinforced elastic material having a spring constant ~~[[k1]]~~.

7. (Currently Amended) A scraping device according to ~~claims 1-6~~ claim 5 or 6, wherein ~~characterised in that~~ the spring constant ~~[[k]]~~ is selected so that the scraper blades have an almost ideal angle of substantially 90 degrees to the conveyor belt that is to be cleaned.

8. (Currently Amended) A scraping device according to ~~claims 1-7~~ claim 1, wherein ~~characterised in that~~ two or more of the segments ~~[[1']]~~ are connected transverse to the scraping device to a reinforcing element having a spring constant ~~[[k2]]~~.

9. (Currently Amended) A scraping device according to ~~claims 1-8~~ claim 1, wherein ~~characterised in that~~ the whole of or parts of the body ~~[[7]]~~ of the scraper

segments **[(1)]** are formed of an elastic material so that it forms the elastic attachment connection for the scraping face.

10. (Currently Amended) A scraping device according to ~~claims 1-9~~ claim 1, wherein ~~characterised in that~~ the number of segments **[(1')]** is greater than five.

11. (Currently Amended) A scraping device according to ~~claims 1-9~~ claim 1, wherein ~~characterised in that~~ the number of segments **[(1')]** is greater than eight.

12. (Currently Amended) A scraping device according to ~~claims 1-9~~ claim 1, wherein ~~characterised in that~~ the number of segments **[(1')]** is greater than twelve.

13. (Currently Amended) A scraping device according to ~~one or more of claims 1-12~~ claim 1, wherein ~~characterised in that~~ two or more of the segments **[(1')]** have different widths.

14. (Currently Amended) A scraping device according to ~~claims 1-13~~ claim 1, wherein ~~characterised in that~~ the flexible material covering the scraper segments **[(1')]** is also an elastic material.

15. (Currently Amended) A scraping device according to ~~claims 1-14~~ claim 1, wherein ~~characterised in that~~ the scraping face **[(4)]** is formed of or with a reinforcing material.

16. (Currently Amended) A scraping device for a conveyor belt **[(2)]** for installation essentially transverse to the longitudinal direction of the conveyor belt **[(2)]**, which scraping device comprises a supporting structure **[(3)]** adapted to hold the scraping device in place across the conveyor belt **[(2)]**, which scraping device is covering essentially the whole width of the conveyor belt (2) and consisting of a plurality of individual scraping segments **[(1')]** each of which consists of a body **[(7)]** with a

scraping face  $[(4)]$ , which scraping face  $[(4)]$  rests against the conveyor belt  $[(2)]$  where the scraping device comprises a number of segments  $[(1')]$  and that the scraping face  $[(4)]$  on each of the segments  $[(1')]$  is elastically connected to the supporting structure  $[(3)]$  and all the segments are covered by a flexible material, wherein characterised in that the scraping device is mounted in a holder (40, 42) where at least a part of the scraping device can be bent towards or away from the conveyor belt in that there is provided one or more adjusting devices (44, 43) at one of and/or both of  $[(the)]$  long sides of the scraping device which push different parts of the scraping device towards or away from the conveyor belt  $[(2)]$ .

17. (Currently Amended) A scraping device according to claim 16, wherein characterised in that the scraping face is directed towards the conveyor belt.

18. (Currently Amended) A scraping device according to ~~claims 16-17~~ claim 16 or 17, wherein characterised in that the scraping device is provided with one or more adjusting devices for adapting the scraping device to the curve of  $[(the)]$  a drum over which the conveyor belt runs.

19. (Currently Amended) A scraping device according to ~~claims 16-18~~ claim 16, wherein characterised in that the scraping face  $[(4)]$  is reinforced in the connection between the supporting structure  $[(3)]$  and the scraping face  $[(4)]$ .

20. (Currently Amended) A scraping device according to ~~claims 16-19~~ claim 16, wherein characterised in that the scraping face  $[(4)]$  on each segment is connected to the supporting structure  $[(3)]$  by a resilient metal spring having a spring constant  $[(k1)]$ .

21. (Currently Amended) A scraping device according to ~~claims 16-20~~ claim 16, wherein ~~characterised in that~~ the scraping face  $[(4)]$  on each segment is connected to the supporting structure  $[(3)]$  by a fibre-reinforced elastic material having a spring constant  $[(k1)]$ .

22. (Currently Amended) A scraping device according to ~~claims 16-24~~ claim 20 or 21, wherein ~~characterised in that~~ the spring constant  $[(k)]$  is selected so that the scraper blades have an almost ideal angle of substantially 90 degrees to the conveyor belt that is to be cleaned.

23. (Currently Amended) A scraping device according to ~~claims 16-22~~ claim 16, wherein ~~characterised in that~~ two or more of the segments  $[(1')]$  are connected transverse to the scraping device to a reinforcing element having a spring constant  $[(k2)]$ .

24. (Currently Amended) A scraping device according to ~~claims 16-23~~ claim 16, wherein ~~characterised in that~~ the whole of or parts of the body  $[(7)]$  of the scraper segments  $[(1)]$  are formed of an elastic material so that it forms the elastic ~~attachment connection~~ connection for the scraping face.

25. (Currently Amended) A scraping device according to ~~claims 16-24~~ claim 16, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than five.

26. (Currently Amended) A scraping device according to ~~claims 16-24~~ claim 16, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than eight.

27. (Currently Amended) A scraping device according to ~~claims 16-24~~ claim 16, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than twelve.

28. (Currently Amended) A scraping device according to ~~one or more of claims 16-27~~ claim 16, wherein ~~characterised in that~~ two or more of the segments ~~[[1']]]~~ have different widths.

29. (Currently Amended) A scraping device according to ~~claims 16-28~~ claim 16, wherein ~~characterised in that~~ the flexible material covering the scraper segments ~~[[1']]]~~ is also an elastic material.

30. (Currently Amended) A scraping device according to ~~claims 16-29~~ claim 16, wherein ~~characterised in that~~ the scraping face ~~[[4']]]~~ is formed of or with a reinforcing material.

31. (Currently Amended) A scraping device for a conveyor belt ~~[[2']]]~~ for installation essentially transverse to the longitudinal direction of the conveyor belt ~~[[2']]]~~, which scraping device comprises a supporting structure ~~[[3']]]~~ adapted to hold the scraping device in place across the conveyor belt ~~[[2']]]~~, which scraping device is covering essentially the whole width of the conveyor belt ~~[[2']]]~~ and consisting of a plurality of individual scraping segments ~~[[1']]]~~ each of which consists of a body ~~[[7']]]~~ with a scraping face ~~[[4']]]~~, which scraping face ~~[[4']]]~~ rests against the conveyor belt ~~[[2']]]~~ where the scraping device comprises a number of segments ~~[[1']]]~~ and that the scraping face ~~[[4']]]~~ on each of the segments ~~[[1']]]~~ is elastically connected to the supporting structure ~~[[3']]]~~ and all the segments are covered by a flexible material, wherein ~~characterised in that~~ the scraping device is mounted in a holder ~~[[12']]]~~ where at least an area of the scraping device is fixedly connected to the holder ~~[[12']]]~~ with a fixed connection ~~[[17']]]~~ so that the scraping device can be bent in that there is provided one or more adjusting devices ~~(14, 15, 16)~~ at the underside and/or the upper side of the

scraping device which push different parts of the scraping device against the conveyor belt ~~[(2)]~~ and ~~[(that)]~~ at least a part of the scraping device can be bent towards or away from the conveyor belt in that there is provided one or more adjusting devices ~~(41, 43)~~ at one of and/or both of ~~[(the)]~~ long sides of the scraping device which push different parts of the scraping device towards or away from the conveyor belt ~~[(2)]~~.

32. (Currently Amended) A scraping device according to claim 31, wherein characterised in that the scraping face is directed towards the conveyor belt.

33. (Currently Amended) A scraping device according to ~~claims 31-32~~ claim 31 or 32, wherein characterised in that the scraping device is provided with one or more adjusting devices for adapting the scraping device to the curve of ~~[(the)]~~ a drum over which the conveyor belt runs.

34. (Currently Amended) A scraping device according to ~~claims 31-33~~ claim 31, wherein characterised in that the scraping face ~~[(4)]~~ is reinforced in the connection between the supporting structure ~~[(3)]~~ and the scraping face ~~[(4)]~~.

35. (Currently Amended) A scraping device according to ~~claims 31-34~~ claim 31, wherein characterised in that the scraping face ~~[(4)]~~ on each segment is connected to the supporting structure ~~[(3)]~~ by a resilient metal spring having a spring constant ~~[(k1)]~~.

36. (Currently Amended) A scraping device according to ~~claims 31-35~~ claim 31, wherein characterised in that the scraping face ~~[(4)]~~ on each segment is connected to the supporting structure ~~[(3)]~~ by a fibre-reinforced elastic material having a spring constant ~~[(k1)]~~.

37. (Currently Amended) A scraping device according to ~~claims 31-36~~ claim 35 or 36, wherein ~~characterised in that~~ the spring constant  $[(k)]$  is selected so that the scraper blades have an almost ideal angle of substantially 90 degrees to the conveyor belt that is to be cleaned.

38. (Currently Amended) A scraping device according to ~~claims 31-37~~ claim 31, wherein ~~characterised in that~~ two or more of the segments  $[(1')]$  are connected transverse to the scraping device to a reinforcing element having a spring constant  $[(k_2)]$ .

39. (Currently Amended) A scraping device according to ~~claims 31-38~~ claim 31, wherein ~~characterised in that~~ the whole of or parts of the body  $[(7)]$  of the scraper segments  $[(1)]$  are formed of an elastic material so that it forms the elastic ~~attachment connection~~ connection for the scraping face.

40. (Currently Amended) A scraping device according to ~~claims 31-39~~ claim 31, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than five.

41. (Currently Amended) A scraping device according to ~~claims 31-39~~ claim 31, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than eight.

42. (Currently Amended) A scraping device according to ~~claims 31-39~~ claim 31, wherein ~~characterised in that~~ the number of segments  $[(1')]$  is greater than twelve.

43. (Currently Amended) A scraping device according to ~~one or more of claims 31-42~~ claim 31, wherein ~~characterised in that~~ two or more of the segments  $[(1')]$  have different widths.



44. (Currently Amended) A scraping device according to ~~claims 31-43~~ claim 31, wherein ~~characterised in that~~ the flexible material covering the scraper segments ~~[[(')]]~~ is also an elastic material.

45. (Currently Amended) A scraping device according to ~~claims 31-44~~ claim 31, wherein ~~characterised in that~~ the scraping face ~~[(4)]~~ is formed of or with a reinforcing material.